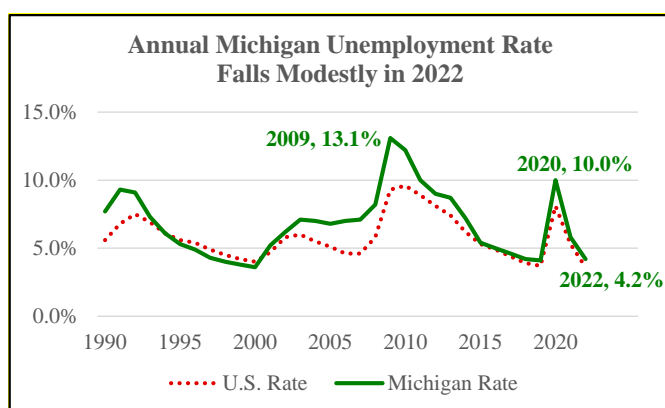


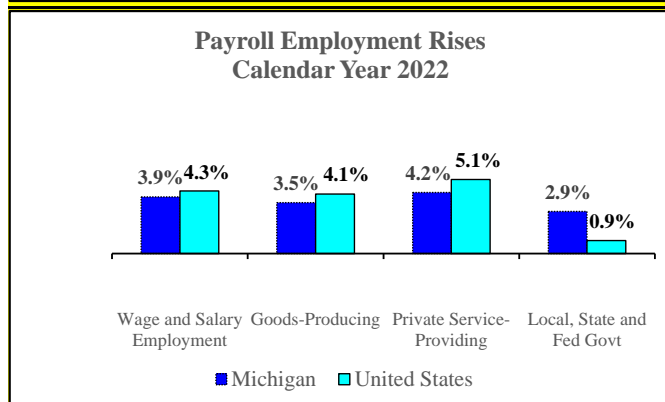
## Calendar Year 2022 Employment Data Release

In March 2023, the Bureau of Labor Statistics released calendar year 2022 unemployment and wage and salary employment state data. Below are highlights from that data release:



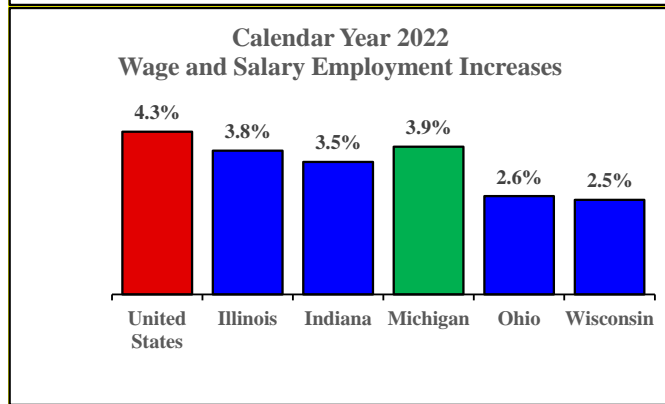
### Unemployment Rate

- In 2022, Michigan's unemployment rate fell from 5.8 percent to 4.2 percent. Nationally, the unemployment rate decreased from 5.3 percent to 3.6 percent.
- The State's 2022 rate was 0.1 percentage point above its 4.1 percent rate in 2019. The U.S. 2022 rate was 0.1 percentage point below its 2019 rate.



### Wage and Salary Employment

- In 2022, overall Michigan wage and salary employment rose 3.9 percent after having risen 4.0 percent in 2021. Overall Michigan wage and salary 2022 annual employment was 1.8 percent below the State's 2019 annual employment level.
- In 2022 in the goods-producing sector, Michigan employment increased 3.5 percent while State private service providing sector employment rose 4.2 percent. Government (federal, state and local combined) employment increased 2.9 percent.



### Interstate Comparisons

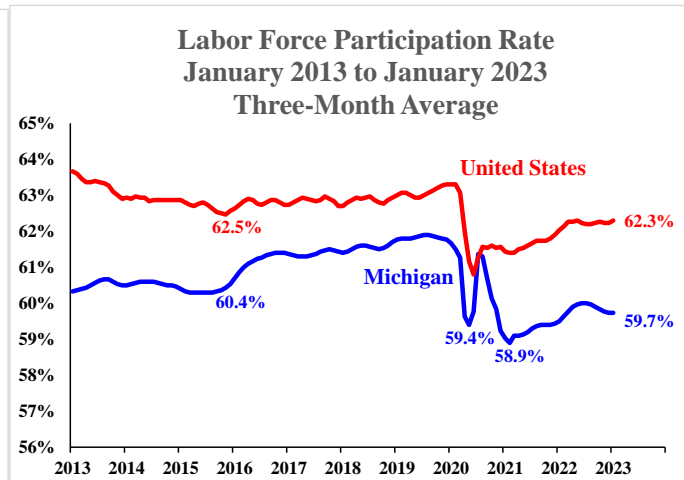
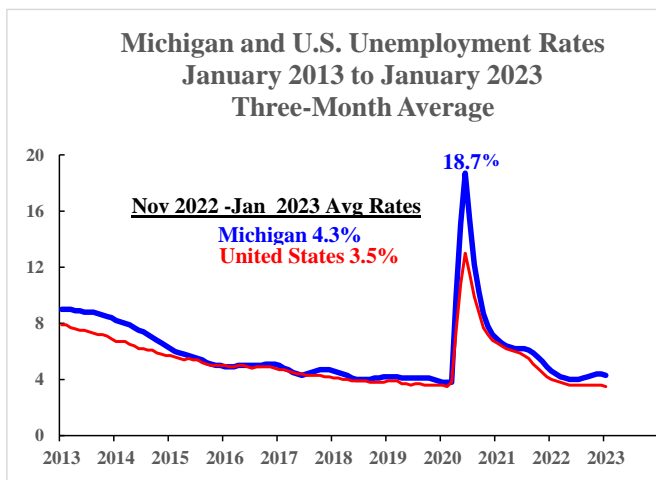
- Michigan's 2022 wage and salary employment percent increase ranked 18<sup>th</sup> largest among U.S. states. In 2022, Michigan recorded the largest percent employment increase among the Great Lakes states.
- In 2022, Michigan recorded the 6<sup>th</sup> highest annual unemployment rate among the 50 states. Among the five Great Lakes states, Michigan's unemployment rate was the second highest.
- At 42.1 hours, Michigan recorded the 4<sup>th</sup> longest average workweek for manufacturing production workers in the nation in 2022.

# January 2023 Summary

## Unemployment Rate Estimates

Page 2

- The monthly Michigan unemployment rate estimate remained unchanged at 4.3 percent in January. The three-month average of the Michigan unemployment rate is also 4.3 percent for January. Compared to last January, the three-month average is down 0.3 of a percentage point. Compared to the pre-pandemic February 2020 rate, the current average is up 0.5 of a percentage point.
- The average number of people employed in Michigan between November 2022-January 2023 was 128,500 lower than the number employed in February 2020. Compared to the three-month average of people employed between November 2021-January 2022, the current three-month average is up 42,900 people. The November 2022-January 2023 average of people unemployed is 22,200 people higher than the number of unemployed in February 2020.
- The U.S. unemployment rate fell to 3.4 percent in December. December's national jobless rate is 0.6 of a percentage point lower than the January 2022 rate (4.0 percent), and 0.1 of a percentage point lower than the February 2020 rate (3.5 percent).
- Both the Michigan and U.S. labor force participation rates remain significantly lower than their pre-pandemic participation rates.



### Employment by Place of Residence (in Thousands)<sup>(a)</sup>

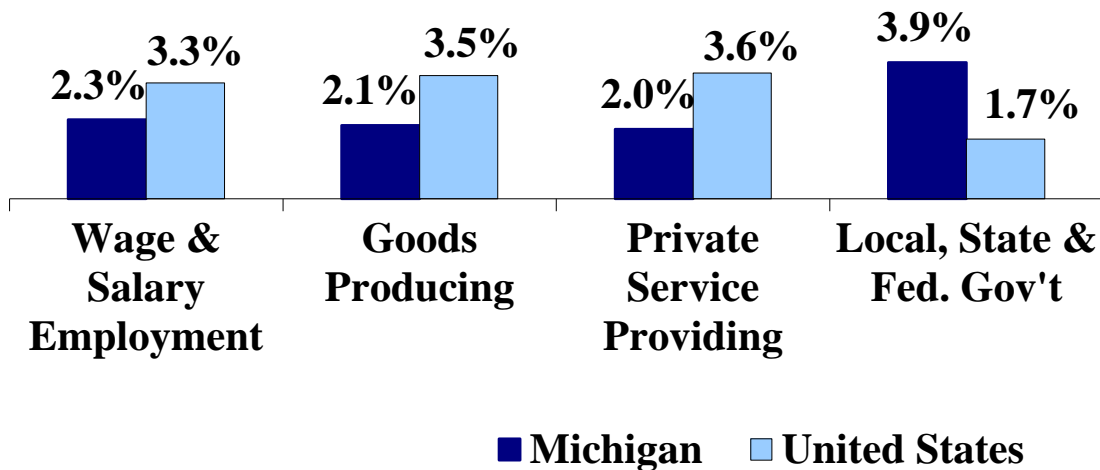
|                      | Annual<br>2022 | Nov<br>2022 | Dec<br>2022 | Jan<br>2023 | Chg Fr<br>Mo Ago<br>Level | Chg Fr<br>Mo Ago<br>% | Chg Fr<br>Yr Ago<br>Level | Chg Fr<br>Yr Ago<br>% | Three<br>Month<br>Average |
|----------------------|----------------|-------------|-------------|-------------|---------------------------|-----------------------|---------------------------|-----------------------|---------------------------|
| <b>Michigan</b>      |                |             |             |             |                           |                       |                           |                       |                           |
| Labor Force          | 4,836          | 4,833       | 4,833       | 4,836       | 3                         | 0.1%                  | 23                        | 0.5%                  | 4,834                     |
| Employed             | 4,633          | 4,622       | 4,624       | 4,627       | 3                         | 0.1%                  | 24                        | 0.5%                  | 4,624                     |
| Unemployed           | 203            | 210         | 209         | 209         | 0                         | 0.0%                  | -1                        | -0.6%                 | 209                       |
| Unemployment Rate    | 4.2%           | 4.4%        | 4.3%        | 4.3%        | n.a.                      | 0.0% pts              | n.a.                      | -0.1% pts             | 4.3%                      |
| <b>United States</b> |                |             |             |             |                           |                       |                           |                       |                           |
| Labor Force          | 164,287        | 164,527     | 164,966     | 165,832     | 866                       | 0.5%                  | 2,199                     | 1.3%                  | 165,108                   |
| Employed             | 164,287        | 158,527     | 159,244     | 160,138     | 894                       | 0.6%                  | 3,016                     | 1.9%                  | 159,303                   |
| Unemployed           | 5,996          | 6,000       | 5,722       | 5,694       | -28                       | -0.5%                 | -817                      | -12.5%                | 5,805                     |
| Unemployment Rate    | 3.6%           | 3.6%        | 3.5%        | 3.4%        | n.a.                      | -0.1% pts             | n.a.                      | -0.6% pts             | 3.5%                      |

## Employment by Place of Work (Payroll)

Page 3

- Compared to January 2022, Michigan payroll employment was up by 96,900 jobs (2.3 percent). State payroll employment rose by 13,400 jobs in January 2023 from December 2022. Nationally, January 2023 payroll employment was up by 4.9 million jobs (3.3 percent) from a year ago. National employment rose 504,000 jobs in January.

## Payroll Employment Growth



- In the goods-producing sector, Michigan payroll employment increased 2.1 percent in January from a year ago; employment in the private service-providing sector rose 2.0 percent. From a year ago, January national payroll employment rose 3.5 percent in the goods-producing sector and increased 3.6 percent in the private service-providing sector.
- At 40.8 hours, manufacturing weekly hours in Michigan were down 1.2 hours from last year.

### Wage and Salary (Payroll) Employment (in thousands)<sup>(b)</sup>

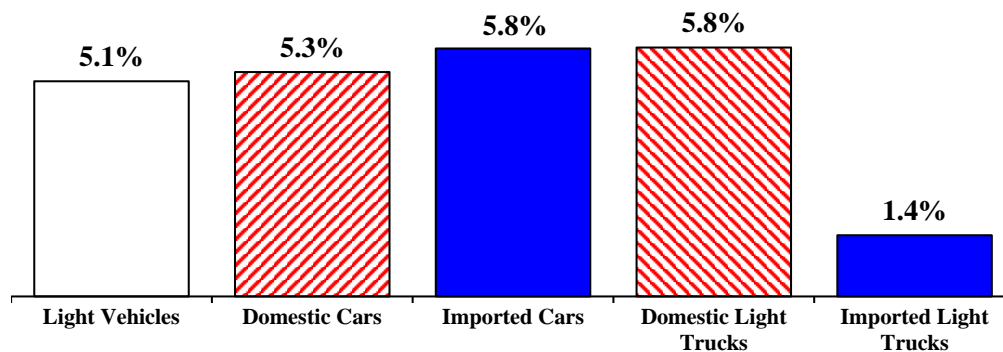
|                            | 2022<br><u>Annual</u> | MI<br>Jan<br><u>2022</u> | MI<br>Jan<br><u>2023</u> | Percent<br><u>Change</u> | 2022<br><u>Annual</u> | US<br>Jan<br><u>2022</u> | US<br>Jan<br><u>2023</u> | Percent<br><u>Change</u> |
|----------------------------|-----------------------|--------------------------|--------------------------|--------------------------|-----------------------|--------------------------|--------------------------|--------------------------|
| Wage & Salary Employment   | 4,362.2               | 4,306.3                  | 4,403.2                  | 2.3%                     | 152,575               | 150,106                  | 155,039                  | 3.3%                     |
| Goods Producing            | 794.3                 | 785.7                    | 802.1                    | 2.1%                     | 21,178                | 20,785                   | 21,512                   | 3.5%                     |
| Manufacturing              | 603.2                 | 597.8                    | 605.9                    | 1.4%                     | 12,825                | 12,617                   | 12,987                   | 2.9%                     |
| Private Service Providing  | 2,978.2               | 2,942.2                  | 3,000.3                  | 2.0%                     | 109,226               | 107,246                  | 111,078                  | 3.6%                     |
| Trade, Trans. & Utilities  | 804.0                 | 797.1                    | 807.2                    | 1.3%                     | 28,643                | 28,289                   | 28,824                   | 1.9%                     |
| Services                   | 1,885.8               | 1,858.1                  | 1,906.8                  | 2.6%                     | 68,465                | 67,031                   | 70,048                   | 4.5%                     |
| Local, State & Fed. Gov't  | 589.8                 | 578.4                    | 600.8                    | 3.9%                     | 22,171                | 22,075                   | 22,449                   | 1.7%                     |
| Manufacturing Weekly Hours | 41.8                  | 42.0                     | 40.8                     | -1.2 hrs                 | 41.0                  | 41.1                     | 40.9                     | -0.2 hrs                 |

## Motor Vehicle Sales Down From Last Year

Page 4

- The U.S. light vehicle sales rate rose to 15.9 million units in January. Compared to last January, sales were up 5.1 percent.
- U.S. sales of domestic light vehicles rose 5.7 percent from last December while foreign sales increased 2.6 percent. In January 2023, at 21.5 percent, the foreign share of U.S. light vehicle sales was down 0.5 of a percentage point from a year earlier.
- Auto sales were up 5.4 percent from last January, while light truck sales increased 5.0 percent from January 2022. Year-over-year, heavy truck sales were up 14.9 percent from last January.
- Motor vehicle and parts dealer inventories were up 21.0 percent from last January.

### January 2023 Vehicle Sales Up From A Year Ago



### Motor Vehicle Sales Statistics

(Millions, Seasonally Adjusted Rates, unless otherwise specified)

|                      | <u>2022</u><br><u>Total</u> | <u>Nov</u><br><u>2022</u> | <u>Dec</u><br><u>2022</u> | <u>Jan</u><br><u>2023</u> | <u>3 Month</u><br><u>Average</u> | <u>Jan</u><br><u>Chg fr</u><br><u>Yr Ago</u><br><u>Level</u> | <u>Jan</u><br><u>Chg fr</u><br><u>Yr Ago</u><br><u>%</u> |
|----------------------|-----------------------------|---------------------------|---------------------------|---------------------------|----------------------------------|--|--|
| Autos                | 3.4                         | 3.2                       | 2.8                       | 3.2                       | 3.1                              | 0.2  | 5.4%   |
| Domestics            | 2.4                         | 2.3                       | 2.0                       | 2.3                       | 2.2                              | 0.1  | 5.3%   |
| Imports              | 1.0                         | 0.9                       | 0.8                       | 0.9                       | 0.9                              | 0.1  | 5.8%   |
| Import Share         | 29.1%                       | 28.7%                     | 30.0%                     | 29.6%                     | 29.4%                            | 0.1% pts   |  |
| Light Trucks         | 11.6                        | 11.2                      | 10.6                      | 12.7                      | 11.5                             | 0.6  | 5.0%   |
| Domestics            | 9.0                         | 9.1                       | 8.5                       | 10.2                      | 9.2                              | 0.6  | 5.8%   |
| Imports              | 2.6                         | 2.1                       | 2.1                       | 2.5                       | 2.2                              | 0.0  | 1.4%   |
| Import Share         | 22.3%                       | 18.8%                     | 19.6%                     | 19.5%                     | 19.3%                            | -0.7% pts  |  |
| Total Light Vehicles | 14.9                        | 14.3                      | 13.4                      | 15.9                      | 14.5                             | 0.8  | 5.1%   |
| Heavy Trucks         | 0.5                         | 0.5                       | 0.5                       | 0.5                       | 0.5                              | 0.1  | 14.9%  |
| Total Vehicles       | 15.4                        | 14.9                      | 13.9                      | 16.4                      | 15.0                             | 0.8  | 5.3%   |

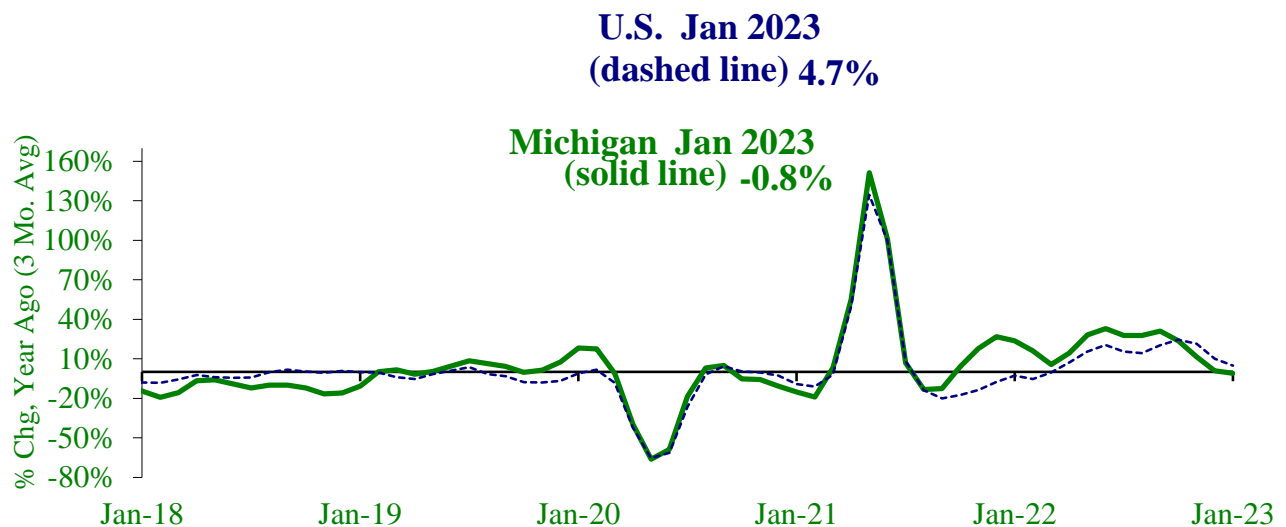
### Retail Inventories, Motor Vehicle and Parts Dealers (billions of dollars) <sup>(d)</sup>

|                       | <u>2022</u><br><u>Average</u> | <u>Nov-22</u> | <u>Dec-22</u> | <u>Jan-23</u> | <u>3 Month</u><br><u>Average</u> | <u>Chg fr</u><br><u>Year Ago</u><br><u>Level</u> | <u>Chg fr</u><br><u>Year Ago</u><br><u>%</u> |
|-----------------------|-------------------------------|---------------|---------------|---------------|----------------------------------|--|--|
| Inventories           | \$181.4                       | \$196.8       | \$199.5       | \$200.7       | \$199.0                          | \$34.8   | 21.0%  |
| Inventory/Sales Ratio | 1.42                          | 1.55          | 1.61          | 1.51          | 1.56                             | 0.22   |  |

## Michigan Vehicle Production Little Changed from Year Ago Page 5

- Michigan vehicle production was down slightly from January 2022 while national vehicle production was up modestly from last January. In January 2023, Michigan vehicle production totaled 164,267 units.
- In January 2023, auto production rose 43.2 percent year-over-year (y-o-y) in Michigan but was down 3.0 percent nationally; truck production decreased 4.9 percent in Michigan but was up 7.3 percent nationally.
- Comparing the three-month average of vehicle production in November 2022-January 2023 to production in November 2021-January 2022, Michigan's average production was down 0.8 percent while average production was up 4.7 percent nationally.

### Three-Month Average of Michigan Vehicle Production Down Slightly from Year Ago in January



### Motor Vehicle Production Statistics

(Thousands, unless otherwise specified)

|   | 2021<br>Monthly<br>Average | Nov<br>2022 | Dec<br>2022 | Jan<br>2023 | 3 Month<br>Average | Jan<br>Level Chg<br>fr Yr Ago | Jan<br>% Chg<br>fr Yr Ago |
|---|----------------------------|-------------|-------------|-------------|--------------------|-------------------------------|---------------------------|
| <b>U.S. Production <sup>(e)</sup></b>     |                            |             |             |             |                    |                               |                           |
| Autos                                     | 138.4                      | 157.8       | 124.2       | 138.3       | 140.1              | (4.3)                         | -3.0%                     |
| Trucks                                    | 621.5                      | 717.2       | 607.2       | 660.8       | 661.8              | 44.7                          | 7.3%                      |
| Total                                     | 759.9                      | 875.1       | 731.4       | 799.1       | 801.9              | 40.5                          | 5.3%                      |
| <b>Michigan Production <sup>(f)</sup></b> |                            |             |             |             |                    |                               |                           |
| Autos                                     | 11.1                       | 15.8        | 14.3        | 15.0        | 15.0               | 4.5                           | 43.2%                     |
| Trucks                                    | 143.4                      | 165.6       | 143.1       | 149.3       | 152.7              | (7.8)                         | -4.9%                     |
| Total                                     | 154.4                      | 181.4       | 157.3       | 164.3       | 167.7              | (3.3)                         | -1.9%                     |
| Michigan as % of U.S.                     | 20.3%                      | 20.7%       | 21.5%       | 20.6%       | 20.9%              | -1.5% pts                     |                           |

# U.S. Economic Conditions

Page 6

|  | <u>Oct-22</u>        | <u>Nov-22</u>        | <u>Dec-22</u>        | <u>Jan-23</u>        | <u>Change from<br/>Year Ago</u>                  |
|--|----------------------|----------------------|----------------------|----------------------|--|
| <b>KEY ECONOMIC INDICATORS</b>                                     |                      |                      |                      |                      |  |
| Consumer Sentiment <sup>(h)</sup>                                  | 59.9                 | 56.8                 | 59.7                 | 64.9                 | -2.3 points                                      |
| ISM Manufacturing Index <sup>(i)</sup>                             | 50.0                 | 49.0                 | 48.4                 | 47.4                 | -10.2 points                                     |
| ISM Non Manufacturing Index <sup>(i)</sup>                         | 54.5                 | 55.5                 | 49.2                 | 55.2                 | -4.7 points                                      |
| <b>INFLATION <sup>(k)</sup></b>                                    |                      |                      |                      |                      |  |
| <b>1982-84 = 100 (CPI)</b>   | <u><b>Oct-22</b></u> | <u><b>Nov-22</b></u> | <u><b>Dec-22</b></u> | <u><b>Jan-23</b></u> | <u><b>Change from<br/>Year Ago</b></u>           |
| <b>Nov 2009 = 100 (PPI)</b>  |                      |                      |                      |                      |  |
| U.S. Consumer Price Index  | 298.0                | 297.7                | 296.8                | 299.2                | 6.4%   |
| Detroit CPI  | 274.5                | NA                   | 271.6                | NA                   | 6.2%   |
| U.S. Producer Price Index  | 140.7                | 140.7                | 139.9                | 140.7                | 5.7%   |
| <b>INTEREST RATES</b>  |                      |                      |                      |                      |  |
| 90 Day T-Bill <sup>(l)</sup>                                       | 3.72%                | 4.15%                | 4.25%                | 4.54%                | 4.39% points                                     |
| 10 Year Treasury Securities <sup>(l)</sup>                         | 3.98%                | 3.89%                | 3.62%                | 3.53%                | 1.77% points                                     |
| <b>INDUSTRIAL PRODUCTION <sup>(l)</sup></b>                        | 104.6                | 104.0                | 102.9                | 103.0                | 0.8%   |
| <b>CAPACITY UTILIZATION <sup>(l)</sup></b>                         | 79.8%                | 79.3%                | 78.4%                | 78.3%                | -0.7% points                                     |
| <b>RETAIL SALES <sup>(d)</sup></b>                                 | \$691.8              | \$684.4              | \$678.8              | \$700.7              | 7.7%   |
| <b>HOUSING STARTS and SALES</b>                                    |                      |                      |                      |                      |  |
| (Millions Annual Rate)   | <u><b>Oct-22</b></u> | <u><b>Nov-22</b></u> | <u><b>Dec-22</b></u> | <u><b>Jan-23</b></u> | <u><b>% Change From<br/>Year Ago</b></u>         |
| Housing Starts <sup>(d)</sup>                                      | 1.426                | 1.419                | 1.348                | 1.321                | -20.7%   |
| Existing Home Sales <sup>(m)</sup>                                 | 4.440                | 4.120                | 4.030                | 4.000                | -36.9%   |
| <b>DURABLE GOODS ORDERS <sup>(d)</sup></b>                         | \$276.4              | \$271.4              | \$285.2              | \$272.3              | 3.0%   |
| <b>PERSONAL INCOME <sup>(c)</sup></b>                              |                      |                      |                      |                      |  |
| (Billions, Seasonally Adj & Annualized)                            | <u><b>2021.4</b></u> | <u><b>2022.1</b></u> | <u><b>2022.2</b></u> | <u><b>2022.3</b></u> | <u><b>% Change From<br/>Year Ago</b></u>         |
| Michigan   | \$553.2              | \$560.2              | \$567.1              | \$570.5              | 2.7%   |
| U.S.   | \$21,158.0           | \$21,317.8           | \$21,575.4           | \$21,856.5           | 4.1%   |
| <b>GROSS DOMESTIC PRODUCT <sup>(c)</sup></b>                       |                      |                      |                      |                      |  |
| (Billions of Chained 2012<br>Dollars, Seasonally Adj & Annualized) | <u><b>2022.1</b></u> | <u><b>2022.2</b></u> | <u><b>2022.3</b></u> | <u><b>2022.4</b></u> | <u><b>Annualized % Chg<br/>From Last Qtr</b></u> |
|  | \$19,924.1           | \$19,895.3           | \$20,054.7           | \$20,187.5           | 2.7%   |

- (a) Seasonally adjusted. Sources: Bureau of Labor Statistics, U.S. Department of Labor and Michigan Department of Technology, Management and Budget.
- (b) Bureau of Labor Statistics, U.S. Department of Labor (BLS 790).
- (c) Bureau of Economic Analysis, U.S. Department of Commerce.
- (d) Bureau of the Census, U.S. Department of Commerce. Seasonally adjusted.
- (e) Automotive News.
- (f) Michigan Department of Treasury.
- (g) Michigan Department of Technology, Management and Budget.
- (h) University of Michigan Survey of Consumers.
- (i) Institute for Supply Management (ISM), formerly NAPM.
- (j) The Conference Board.
- (k) Bureau of Labor Statistics, U.S. Department of Labor.
- (l) Seasonally adjusted rates (except interest rates). Federal Reserve System Board of Governors. 2012 equals 100. Treasury bill rate (secondary market).
- (m) National Association of Realtors.